

Directions: Please complete shaded areas below.

Department Name: ETSD		
Project Name: zLinux Production Capacity		
Project Amount: \$215,000		
Preparer Name & Contact Information: Gustavo Chicola (305) 275-7643		
Project Type: Please check (√) one..		
<input checked="" type="checkbox"/> Enterprise	<input type="checkbox"/> Communities of Interest	<input type="checkbox"/> Department Specific
Funding Source: Please check (√) one.		
<input checked="" type="checkbox"/> GF Capital	<input type="checkbox"/> Proprietary Capital	
<input checked="" type="checkbox"/> Mandated Requirement (If checked (√), please indicate who is mandating this request as well as the time frame)		
<input type="text" value="3"/> Department Priority of Initiative (1, 2, 3, etc.)		

Section A

Background:

This initiative is in line with ETSD's FY06 Business Plan and Outlook, Outcome ES4-2, Available and Reliable Systems. When ETSD last upgraded the County's Mainframe computer complex (FY04), a separate Integrated Facility for Linux (IFL) processor was purchased consistent with the successful pilot sponsored by the CIO's office during FY03 and the strategies set forth. The expectation was to align a number of production services under a Linux operating system environment compatible platform as well as one that exploits the industry proven capabilities of mainframe technology in the areas of high availability and reliability, including one with robust full backup and restore capabilities. Currently a number of key strategic initiatives are being implemented under this z/Linux environment and their resource consumption will require additional resources, including memory and processor capacity.

Problem Statement:

The requested acquisition ensures continuity of operations and growth compatible with the initiatives it supports. Two key initiatives include the replacement of the 3745 communication controllers (which support over 1,200 terminals located throughout the County) which are at end of life-cycle and the secure access to commerce applications on the WEB. Additional workloads include Tivoli Management software (monitors desktop computers throughout the County and relays performance information to a central monitoring console) and the deployment of file and print servers. Without adequate infrastructure resources these production initiatives will suffer degradation of services, affecting systems reliability and customer services. In addition, today there are no measurable criteria for performance and capacity. The request addresses this need through the purchase of software.

Solution:

Acquire resources as indicated.

Expected Benefits / Direct Payback:

The requested acquisition ensures continuity of operations and growth compatible with the various production initiatives it supports. Cost avoidance in a hardware solution to replace the 3745 as well as monitoring software to gauge capacity and performance analysis.